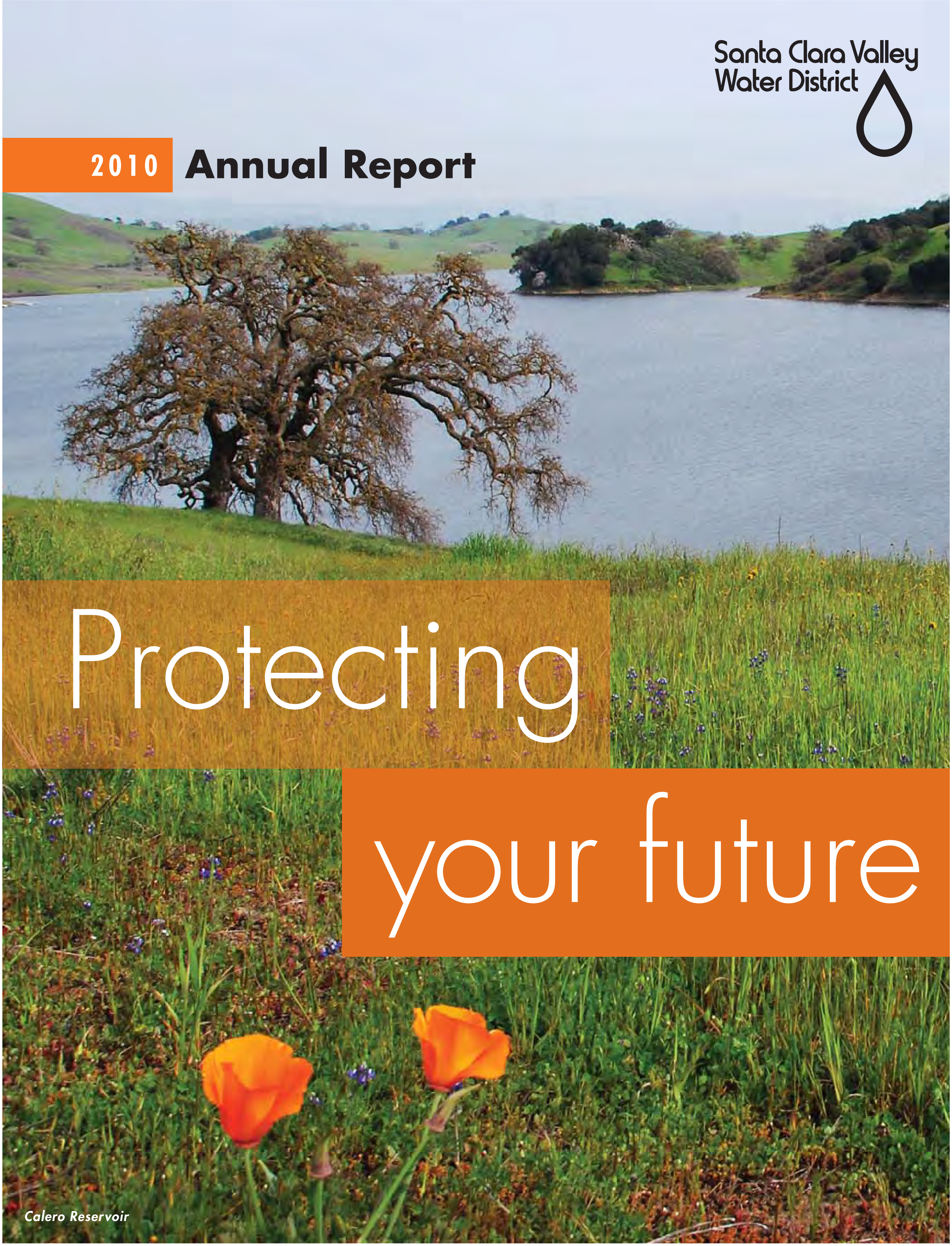
Santa Clara Valley
Water District

2010 Annual Report



Calero Reservoir

Reliability and Results: Annual Report for Fiscal Year 2009-10

Water. It's one of the most valuable commodities on earth: We expect it when we turn on the tap, our economy depends on it, and wildlife and fisheries need it for survival. In Santa Clara County managing water resources is the mission of the Santa Clara Valley Water District. It is our job to provide county residents and businesses with a reliable supply of clean water; protection from flooding; and environmental stewardship of creeks and streams. This report highlights the critical services delivered by the district's technically-trained and professional staff in FY 2009-10.

The water district:

- Delivered 34 billion gallons of treated water; inspected and repaired 9.3 miles of pipeline
- Completed the Lenihan Dam construction project on time and under budget
- Awarded 11 contracts for $34 million in capital projects, generating or sustaining an estimated 300 – 600 local jobs
- Secured approximately $32 million in federal stimulus funding for capital projects, payable through 2012
- Received $1.8 million in state subventions and federal funding for flood protection projects
- Maintained 161 miles of creeks and channels for flood protection
- Removed 1,575 tons of trash from local creeks and the bay
- Removed an additional 1,799 pounds of mercury from the Guadalupe Watershed
- Advanced the construction of 11.3 additional miles of creekside trails
- Removed an additional 15 acres of invasive *Arundo donax* from waterways

As stewards of public funds, our top priority is efficiency in delivering services. In continuing to make the district lean and responsive to the community, we have implemented audit recommendations to improve our procurement program; conducted a third-party audit of our water utility maintenance program; and received International Standards Organization certification for the ISO 9000 and 14000 management standards. We continue to refine our outcome-based budgeting process to leverage public dollars towards effective products and services. Our FY 2009-10 operating expenditures were under budget by 4 percent.

The water district's achievements would not have been possible without direct engagement from the community we serve. This engagement resulted in a 17 percent water conservation rate in response to the "Save20Gallons.org" campaign, saving about 22 billion gallons in just over a year. In addition, public input on the Permanente Creek and Upper Llagas Creek flood protection projects helped us provide better projects for the community.

The water district is committed to continuing our focus as responsible stewards of public monies while effectively providing services to the community. I encourage members of the community to get involved and learn about district projects, services, and the budget process necessary to deliver those services. Please visit our website at www.valleywater.org.

Beau Goldie
Chief Executive Officer

Executive team

Chief Operating Officer, Water Utility Enterprise: **Jim Fiedler**
Chief Operating Officer, Watersheds: **Marc Klemencic**
Chief Administrative Officer: **Sharon Judkins**
General Counsel: **Stanly Yamamoto**
Clerk of the Board: **Michele King**

The mission of the District is a healthy, safe and enhanced quality of living in Santa Clara County through watershed stewardship and comprehensive management of water resources in a practical, cost-effective and environmentally sensitive manner for current and future generations.

Protecting your future

Policy and business outcomes for the community

The water district carries out its water supply, flood protection and stewardship work as defined by the Board of Directors through "ends," or outcome-related policies. High-level policies align with key business areas as shown below.

Clean, reliable water

To meet the water supply needs of Santa Clara County's homes, businesses, agriculture and environment, the district's Water Utility Enterprise plans for and manages multiple local and imported water supply sources; promotes conservation; works with partners to expand water recycling; maintains and operates a complex network of distribution and treatment facilities; manages the groundwater basins; and invests in new treatment technologies and infrastructure upgrades.

Every day, we make sure that clean, safe water is provided to 13 private and municipal water retailers, who in turn deliver water directly to the 1.8 million people of the county. **Read more on the district's water supply work on page 10.**

Flood protection

As Santa Clara County has grown, so has the need for flood protection. Through stream maintenance and flood protection projects, the water district's Watersheds business area has worked hard to reduce potential for flooding throughout the county. Since the early 1980s, the water district has invested more than $1 billion in flood protection programs, and has protected nearly 100,000 properties in previously flood-prone areas.

Balancing the needs for flood protection and protection of streams and natural resources, the water district employs technologies that help keep creeks as natural as possible. New, multipurpose projects combine flood protection with habitat enhancement and recreation. **Find out more about our flood protection work on page 12.**

Enhanced and protected watersheds

Enhancing and protecting Santa Clara County's five watersheds is critical to supporting our quality of life. These watersheds drain surface runoff into the county's more than 800 miles of creeks and streams, into local reservoirs and the San Francisco and Monterey bays. Protection of watersheds and stewardship of streams results in:

- Clean, safe water in our creeks and bay
- Enhanced or restored ecosystems, which provide habitat and contribute to water quality
- Open space and trails for recreation

Since 2000, the district has maintained 328 acres of habitat, and has created or restored nearly 490 acres of wetland habitat, working with local agencies and stakeholders. **See examples of district stream stewardship projects on page 14.**

Connecting with the community is an important part of all water district work.

Learn more about district services on our website, www.valleywater.org.

Delivering services — every day

The water district delivers water supply, flood protection and stream stewardship services every day through a variety of means, including:

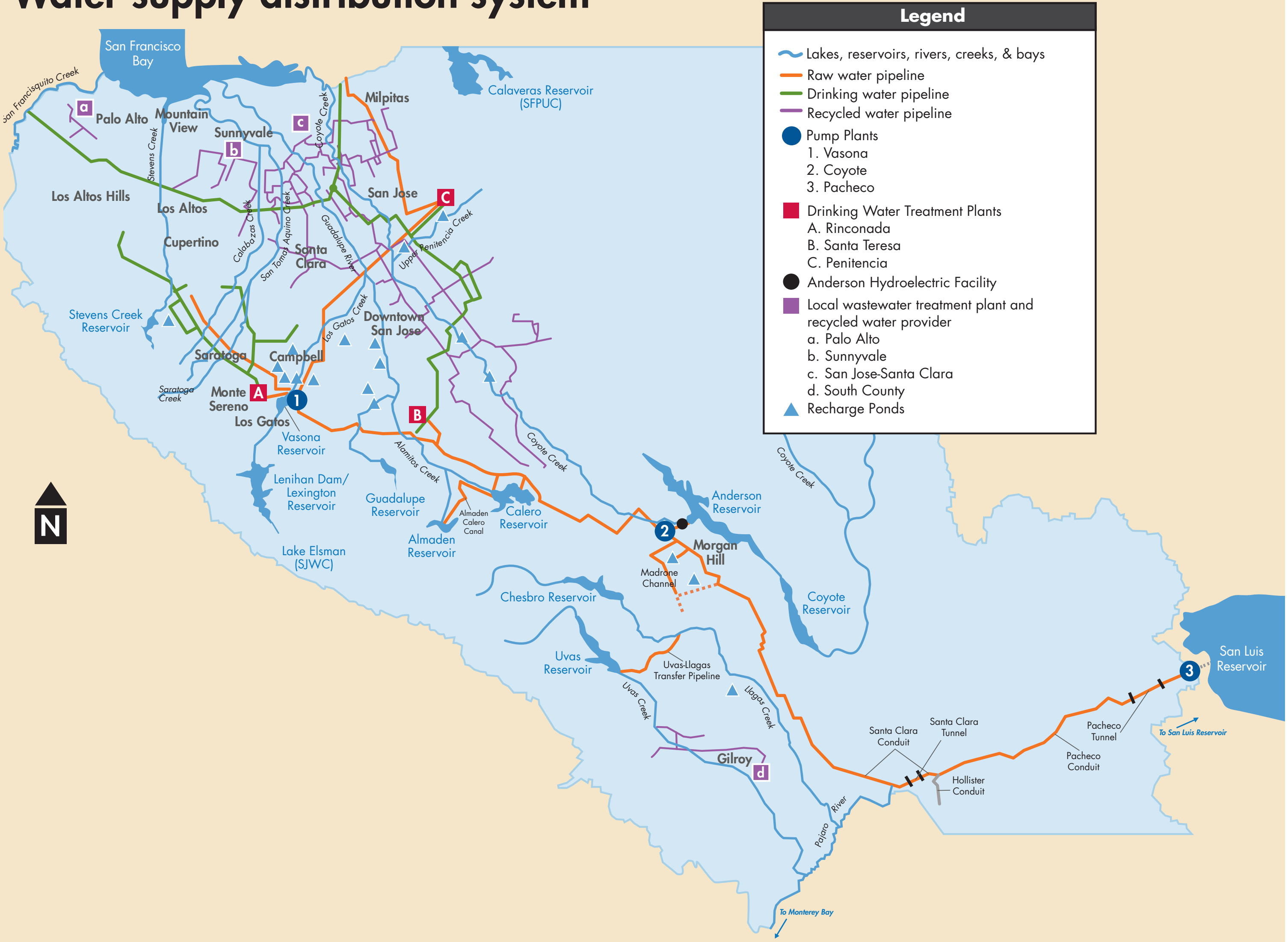
- Storing local runoff for use in home, school and businesses;
- Delivering imported water through the Delta into Santa Clara County;
- Conveying water via a complex county-wide distribution system;
- Keeping creeks and streams clear, which keeps floodwaters flowing and provides habitat;
- Building capital improvements, which help ensure water supply reliability and protection from flooding;
- Stream stewardship projects, which protect, restore or enhance the environment;
- Infrastructure planning and maintenance, which ensure continuous service delivery; and
- Water conservation programs, which help the community save water.

Water supply and distribution

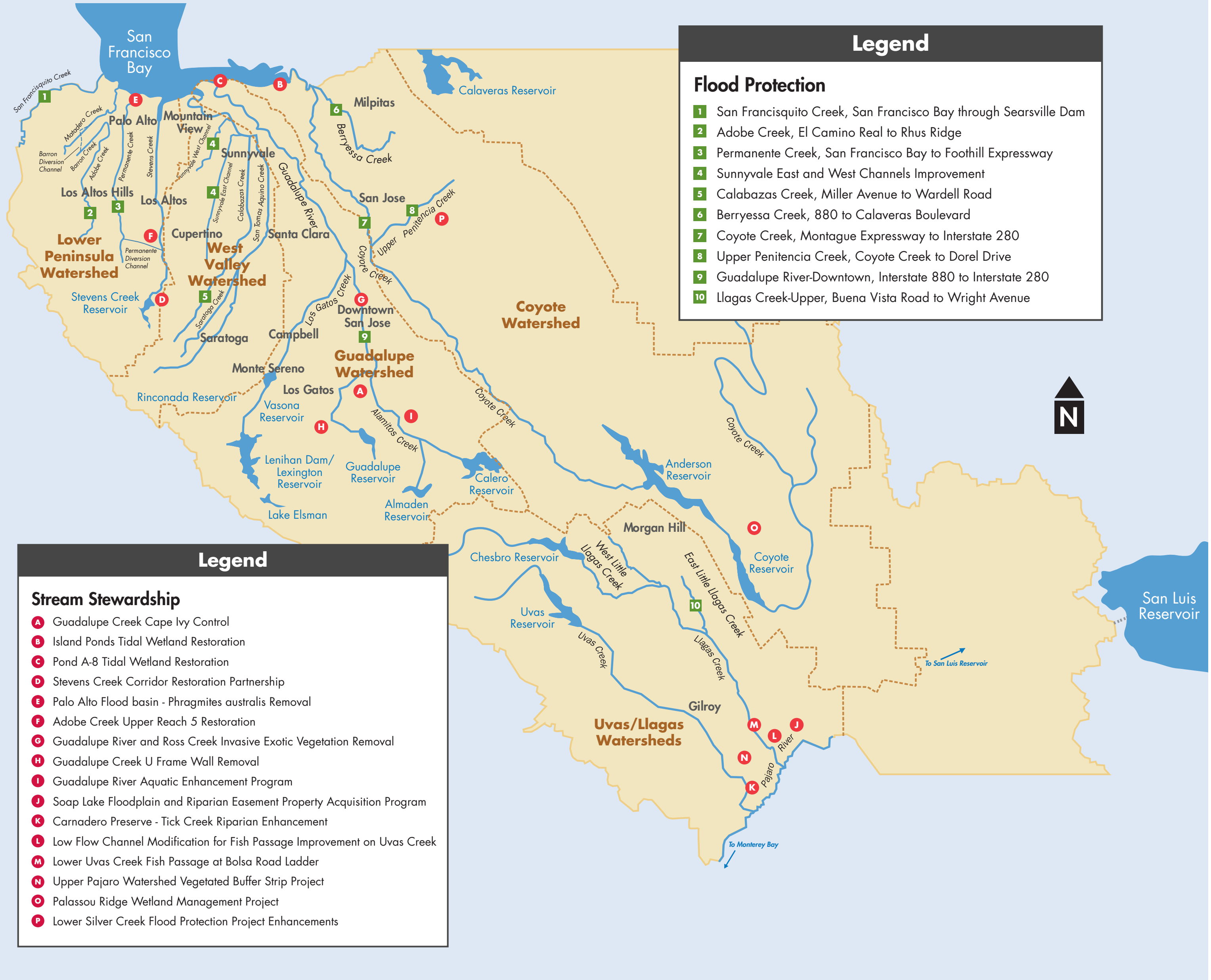
What does it take to meet Santa Clara County's water supply needs? It takes a well-maintained system that efficiently delivers water, so that it reaches every tap, on demand. The water district's distribution system does just that, conveying about 150 million gallons of water each day, 365 days per year to the county's water retailers.

The water distribution system includes 10 reservoirs, which store local and imported water; three drinking water treatment plants; three pumping stations; 153 miles of pipelines; and 393 acres of recharge ponds, which replenish the groundwater basins with local and imported water. The district system links with the federal Central Valley Project, via the San Felipe Project; and the State Water Project, via the South Bay Aqueduct, to bring imported water into the county.

Water supply distribution system



Flood protection and stream stewardship projects


Legend
Flood Protection
1 San Francisquito Creek, San Francisco Bay through Searsville Dam
2 Adobe Creek, El Camino Real to Rhus Ridge
3 Permanente Creek, San Francisco Bay to Foothill Expressway
4 Sunnyvale East and West Channels Improvement
5 Calabazas Creek, Miller Avenue to Wardell Road
6 Berryessa Creek, 880 to Calaveras Boulevard
7 Coyote Creek, Montague Expressway to Interstate 280
8 Upper Penitencia Creek, Coyote Creek to Dorel Drive
9 Guadalupe River-Downtown, Interstate 880 to Interstate 280
10 Llagas Creek-Upper, Buena Vista Road to Wright Avenue
Legend
Stream Stewardship
A Guadalupe Creek Cape Ivy Control
B Island Ponds Tidal Wetland Restoration
C Pond A-8 Tidal Wetland Restoration
D Stevens Creek Corridor Restoration Partnership
E Palo Alto Flood basin - Phragmites australis Removal
F Adobe Creek Upper Reach 5 Restoration
G Guadalupe River and Ross Creek Invasive Exotic Vegetation Removal
H Guadalupe Creek U Frame Wall Removal
I Guadalupe River Aquatic Enhancement Program
J Soap Lake Floodplain and Riparian Easement Property Acquisition Program
K Carnadero Preserve - Tick Creek Riparian Enhancement
L Low Flow Channel Modification for Fish Passage Improvement on Uvas Creek
M Lower Uvas Creek Fish Passage at Bolsa Road Ladder
N Upper Pajaro Watershed Vegetated Buffer Strip Project
O Palassou Ridge Wetland Management Project
P Lower Silver Creek Flood Protection Project Enhancements
N
San Francisco Bay
San Francisquito Creek
Matadero Creek
Barron Diversion Channel
Barron Creek
Adobe Creek
Permanente Creek
Stevens Creek
Sunnyvale West Channel
Sunnyvale East Channel
Calabazas Creek
San Tomas Aquino Creek
Guadalupe River
Palo Alto
Mountain View
Sunnyvale
Los Altos Hills
Los Altos
Cupertino
Santa Clara
Milpitas
Berryessa Creek
San Jose
Upper Penitencia Creek
Coyote Creek
Los Gatos Creek
Saratoga Creek
Permanente Diversion Channel
Lower Peninsula Watershed
West Valley Watershed
Stevens Creek Reservoir
Saratoga
Campbell
Downtown San Jose
Monte Sereno
Los Gatos
Guadalupe Watershed
Coyote Watershed
Calaveras Reservoir
Rinconada Reservoir
Vasona Reservoir
Lenihan Dam/ Lexington Reservoir
Lake Elsman
Guadalupe Reservoir
Almaden Reservoir
Alamitos Creek
Calero Reservoir
Anderson Reservoir
Morgan Hill
Coyote Reservoir
Chesbro Reservoir
West Little Llagas Creek
East Little Llagas Creek
Llagas Creek
Uvas Reservoir
Uvas Creek
Gilroy
Uvas/Llagas Watersheds
Pajaro River
To San Luis Reservoir
San Luis Reservoir
To Monterey Bay

The district's flood protection and stream stewardship projects are designed and constructed through careful planning. The FY 2010-11 Five-Year Capital Improvement Program (CIP) projects the district's capital funding for planned capital projects through FY 2014-15. The CIP, which documents projects to align district planning with other local agency planning, includes the currently-funded projects as shown in green on the map above.

The voter-approved Clean, Safe Creeks and Natural Flood Protection Plan (CSC), passed in 2000, funds projects through a countywide special parcel tax from 2000 - 2015. Plan outcomes include:

1. Flood protection for homes, schools, businesses and transportation
2. Clean, safe water in our creeks and bays
3. Healthy creek and bay ecosystems
4. Trails, parks and open space along waterways

The Clean, Safe Creeks program funds the stream stewardship projects shown on the map in red. More information on the district's flood protection and stream stewardship projects is available at www.valleywater.org, including an Independent Monitoring Committee report on CSC plan implementation for FY 2009-10.

Water supply and use

The chart at right shows FY 2009-10 water supply, delivery and use in the county. Major district supplies include water from our 10 local reservoirs, and water imported from the Central Valley Project and State Water Project.

These supplies are:

- Used to replenish the local groundwater basins, which are pumped for use by individual well owners, and by municipal and retail water providers
- Sent to the district's drinking water treatment plants for purification
- Supplied directly to retail water providers
- Released to meet environmental needs and regulations
- In addition, recycled water provides a growing source of supply for non-potable irrigation or industrial uses.
- Conservation helps stretch available supplies; in 2010 the community saved 51,000 acre-feet of water—enough for more than 100,000 families over a year.

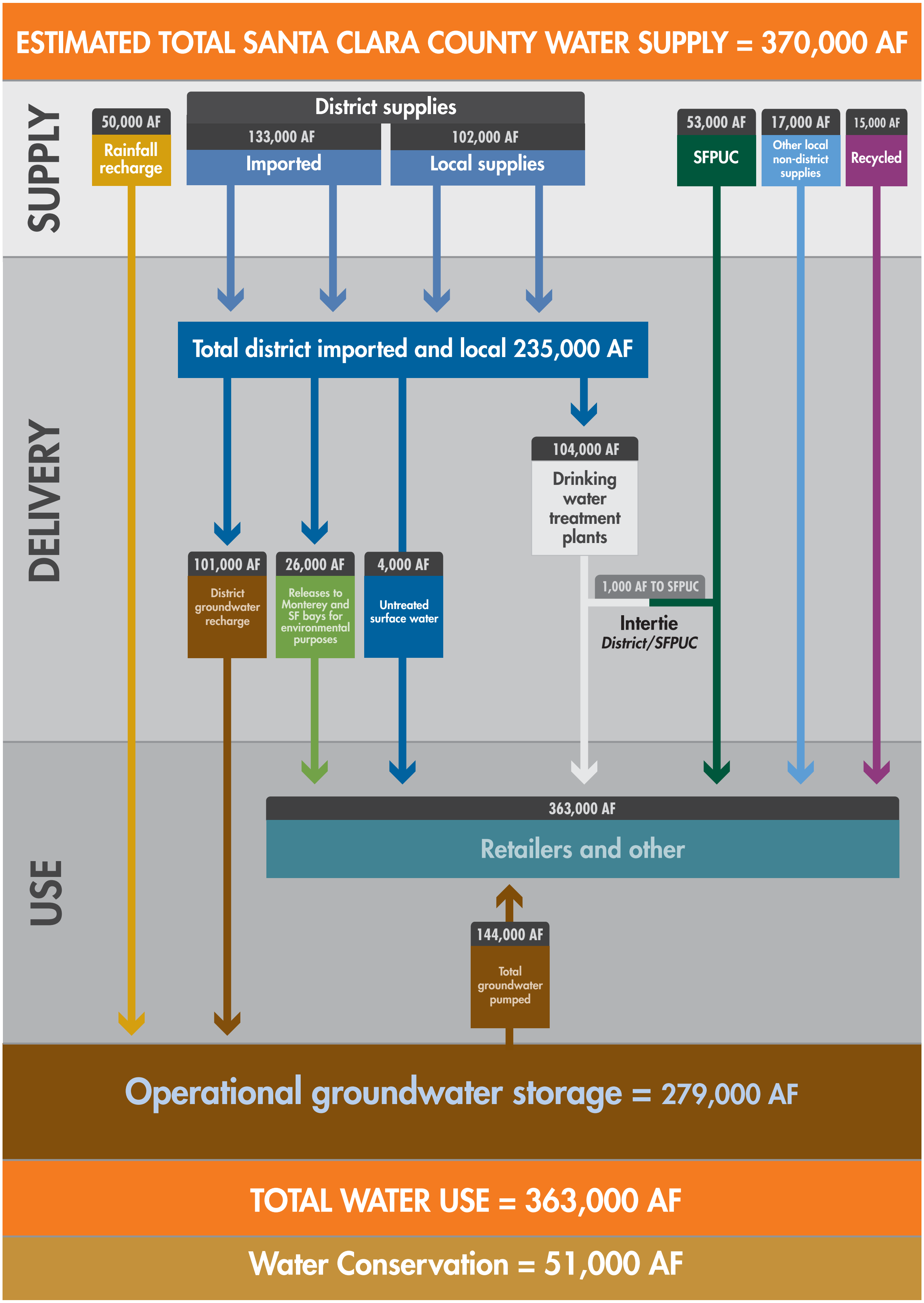
Non-district supplies that contribute to the overall county supply include groundwater recharge from rainfall, water from San Francisco's Hetch Hetchy system, and private local water rights. Total county supply in FY 2009-10 was approximately 370,000 acre-feet, or 120.6 billion gallons, while total use was 363,000 acre-feet, or118.3 billion gallons.

Interested in learning how drinking water is produced?

In FY 2009-10 the district held an open house at our Penitencia Treatment Plant in northeast San Jose. Similar events are being planned for the district's Vasona Pumping Plant in spring 2011, and the Santa Teresa Treatment Plant in summer 2011. Call (408) 265-2607, ext. 2342 for more information.

What's an acre-foot? It's about 326,000 gallons, the amount two families of five use over one year following water conservation practices.

FY 2009-10


ESTIMATED TOTAL SANTA CLARA COUNTY WATER SUPPLY = 370,000 AF
SUPPLY
50,000 AF
Rainfall recharge
District supplies
133,000 AF
Imported
102,000 AF
Local supplies
53,000 AF
SFPUC
17,000 AF
Other local non-district supplies
15,000 AF
Recycled
DELIVERY
Total district imported and local 235,000 AF
104,000 AF
Drinking water treatment plants
101,000 AF
District groundwater recharge
26,000 AF
Releases to Monterey and SF bays for environmental purposes
4,000 AF
Untreated surface water
1,000 AF TO SFPUC
Intertie
District/SFPUC
USE
363,000 AF
Retailers and other
144,000 AF
Total groundwater pumped
Operational groundwater storage = 279,000 AF
TOTAL WATER USE = 363,000 AF
Water Conservation = 51,000 AF

Year

Q1

July 29, 2009
Five "shovel ready" projects receive $44.1 million in federal stimulus funds, bringing flood protection and water treatment facilities and jobs to the valley.

Aug. 26

NRCS
Santa Clara Valley Water District

U.S. Secretary of Agriculture Tom Vilsack attends groundbreaking ceremony for Lower Silver Creek Flood Protection Project.

Sept. 19
At the 25th annual Coastal Cleanup Day, 1,486 volunteers remove 23,200 pounds of trash and debris and 8,500 pounds of recyclable materials from 35 sites along 59 miles of local waterways.

Sept. 23

The district's Pajaro Basin Freshwater Wetland (shown) and Lenihan Dam Outlet Modifications projects both receive Project of the Year awards from the American Society of Civil Engineers, San Francisco Section.

Q2

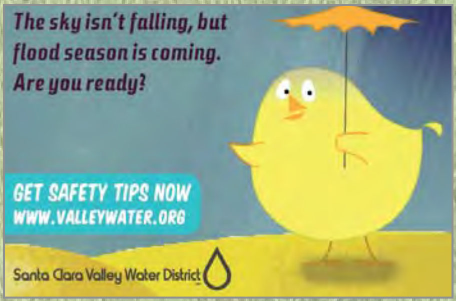
Oct. 20

First Flow Ceremony celebrates completion of the Lenihan Dam Outlet Modification project.

Nov. 10

Gov. Schwarzenegger signs historic water conservation bill SB 7 at district headquarters.

Nov. 16


The sky isn't falling, but flood season is coming. Are you ready?
GET SAFETY TIPS NOW
WWW.VALLEYWATER.ORG
Santa Clara Valley Water District

Water district launches new Charles "Chicken" Little flood awareness campaign, providing useful tips for before, during and after a flood.

Dec. 1
Drought continuing; State Water Project initial imported water allocation announced – lowest on record at 5 percent.

Dec. 3
Water district is recertified as a county "Green Business," signifying our compliance with environmental regulations and actions to conserve resources, prevent pollution, minimize waste and reduce our carbon footprint.

Q3

January, 2010

Storms drench the South Bay, providing a much-needed water supply boost.

Jan. 12
Independent Monitoring Committee Report finds the district's Clean, Safe Creeks and Natural Flood Protection Plan is making good progress.

Jan. 13
District and partners, including the California Coastal Conservancy and the State Water Resources Control Board, launch Pond A8 restoration in Alviso Slough, creating 1,400 acres of open-water habitat and up to 200 acres of tidal wetland habitat.

in Review

Coyote Parkway Freshwater Wetland

Jan. 14

Tick Creek Project enhances the environment with creekside vegetation.

Feb. 23
Water district board approves two agreements with the city of San Jose for recycled water expansion.

March 8
Groundwater Awareness Week highlights the need to protect our largest reservoir – the underground aquifer.

March
District holds public outreach and meetings on groundwater program and groundwater production charges.

March 31
District establishes procedure for greenhouse gas emissions reporting.

Q4

April 27
Public hearing for groundwater production charges closes.

April 29

District breaks ground on Upper Guadalupe Flood Protection Project, which will protect 7,500 homes from a 100-year flood along nearly six miles of the river.

April 30
External auditors recertify the district's Quality and Environmental Management System as meeting ISO international quality and environmental standards.

May 15
More than 1,000 National River Cleanup Day volunteers scour 34 sites across the county, collecting more than 6,000 pounds of recyclables and 29,000 pounds of trash.

May 17
Water district board adopts map reflecting new districts from which all seven members will be elected.

June

District's award-winning "Save 20 Gallons" conservation campaign helps county residents achieve a 17 percent rate of conservation, exceeding board goals.

June
District's Good Neighbor Program removes 3,600 cubic yards of trash from 352 sites over the year, and supports trash removal at 106 Adopt-A-Creek sites.

June 8
Water district board adopts balanced budget focused on services; groundwater charges are not increased for a third straight year.

June

In FY 2009-10, the district's award-winning school program reaches more than 11,000 students.

June 30

During the eighth full year of the Stream Maintenance Program staff remove about 32,000 cubic yards of excess sediment from creeks; repair and strengthen 6,000 linear feet of creek bank; and manage more than 160 miles of vegetation for fire prevention, invasive species control and flood protection.

Clean, reliable water

Highlights and performance

"The Lenihan Dam Outlet Modifications Project is an example of how innovative design can benefit public safety. By replacing the outlet works' conveyance pipeline outside the dam within an accessible tunnel, the project maximized functionality and minimized risk."

Dave Gutierrez,
Chief, State Division of Safety of Dams

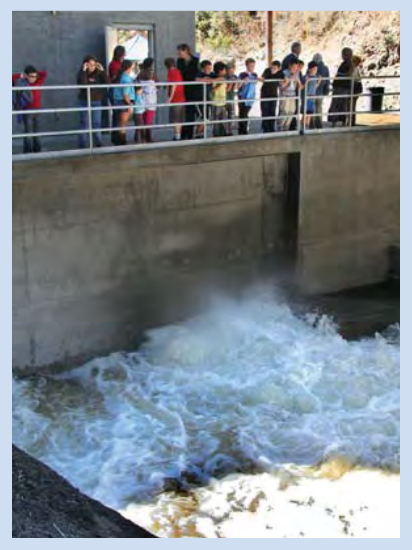
In FY 2009-10 the district's Water Utility Enterprise focused on improving the safety, reliability and efficiency of its infrastructure, accomplishing challenging construction projects such as the Lenihan Dam Outlet Modification Project; and major maintenance and repair projects, including the Valves Replacement Project at the Rinconada Treatment Plant and the West Pipeline Asset Management Project. The district also launched a new Water Supply and Infrastructure Master Plan process to ensure long-term water supply reliability.

While meeting the water needs of Santa Clara County's residential, business, agricultural and environmental stakeholders, the water district also strived to keep costs down, not increasing water charges for a third straight year.

Key accomplishment | **Lenihan Dam Outlet Modification Project**

Honored with six awards, including the Project of the Year award in the "Large Projects" category from the San Francisco Section of the American Society of Civil Engineers, the Lenihan project brought new flexibility for the water district's dam operations. It also demonstrates the critical importance of maintaining and investing in key water supply infrastructure.

An example of the water district's commitment to dam safety, this project replaced an aging outlet pipe under Lenihan Dam that had suffered repeated partial collapses and had required patchwork repairs over several years. The two-year, $60 million project included constructing a 2,000 foot-long tunnel to house a new, 54-inch, concrete-lined steel pipe. Additional work included construction of a multi-port intake structure and shaft located in Lexington Reservoir; and an outlet structure adjacent to Los Gatos Creek.



Hemang Desai,
Associate Engineer and Project Manager

"This complex project was the district's first tunneling project since the 1980s; we took great care in coordinating with contractors, regulators, municipalities and resource agencies to achieve a result that is truly exceptional."

More on dam safety

As part of the district's Dam Safety Project, seismic stability evaluations are being conducted this year and in 2011 on Anderson, Almaden, Calero, and Guadalupe dams. Preliminary findings for Anderson Dam indicate that seismic upgrades will be required in the near future.
For more information, visit www.valleywater.org.

Key accomplishment | **Rinconada Treatment Plant Valves Replacement Project**

The district's three treatment plants routinely exceed all state and federal water quality regulations, and have not experienced any unplanned service interruption due to treatment issues in more than 10 years.

The water from most taps in Santa Clara County comes either from pumped groundwater or a district drinking water treatment plant. The district's 42-year-old Rinconada Treatment Plant, which serves west county cities, required major retrofits before the plant could introduce new treatment processes. In 2009 and 2010, the district replaced more than 50 huge valves at the plant—some up to six feet in diameter—to improve the water filtration process, a critical step in producing high-quality drinking water. The retrofits will allow the district to shut down parts of the plant for maintenance without affecting service and water quality, and will improve access for plant operators to more easily check the status of key valves.

Angela Cheung,
Utility Treated Water Operations Unit Manager

"This project successfully strengthened the district's 'backbone' infrastructure for treating and delivering water, and did so while maintaining essential public services."

> **"Well-maintained pipelines are important for an uninterrupted, high quality water supply. This project improved operational reliability significantly, and was completed during the off-peak season to minimize impacts to our customers."**
>
> ***Curt Rayer,*** *Operations Director, San Jose Water Company*

Key accomplishment | **West Pipeline Asset Management**

Unseen by passersby, a complex water transport and delivery system works around the clock beneath the streets in Santa Clara County. Part of this district-managed system is the West Pipeline, which delivers treated drinking water from the Rinconada Treatment Plant to west-county communities. This year, the 43-year-old pipeline was due for repairs to a six-mile stretch that runs beneath Union Pacific Railroad and other private property in Saratoga, Cupertino and Los Altos. During several months of non-stop coordination, a crew of more than 25 accessed vaults to replace air valves, nozzles, flanges, pipe fittings and blow-off valves, with no disruption of water service to the community. With the work completed, continued reliability of service is now ensured.

More on pipelines

In October and November 2010, district crews inspected and maintained a three-mile section of the East Pipeline between Aborn Road to Ocala Avenue in San Jose. The East Pipeline provides treated drinking water to the Evergreen neighborhood of San Jose, and to the city of Milpitas.

Natural flood protection

Highlights and performance

In more than 50 years of providing flood protection to Santa Clara County, the water district has protected more than 100,000 parcels from flooding. Through our Capital Improvement Program we're planning for many more projects. As the district's flood mission has progressed, we've learned that using natural means for flood protection often works best—for people and the environment.

This approach is a hallmark of the Clean, Safe Creeks and Natural Flood Protection Program, passed by voters in 2000. One element of the program is to plan, design and implement nine new flood protection projects to safeguard approximately 16,000 parcels from the dangers of flooding. In FY 2009-2010, the water district continued to make progress on all nine flood protection projects.

Also in FY 2009-10, the district was successful in securing more than $44 million in American Recovery and Reinvestment Act stimulus funds. More than $30 million of these funds were designated for flood protection projects on Lower Silver Creek and the downtown section of the Guadalupe River.

The district also broke ground on Upper Guadalupe River Project, Reach 6, which will protect nearly 7,500 residents from a major flood event. This project, like all district capital construction projects, will result in creating or sustaining local jobs.

Never drive through flooded areas.
GET FLOOD SAFETY TIPS NOW >>

How to stay flood-safe is a critical message everyone should hear. In FY 2009-10 Charles "Chicken" Little debuted to spread that message as the district's flood campaign spokesman. Although he's sometimes funny, Charles provides serious preparation and safety tips because flooding can impact us all whether we're at home, on the road or at work.

Key accomplishment | **Lower Silver Creek Flood Protection Project**

Every winter, thousands of homes, schools and businesses in San Jose are susceptible to flooding from Lower Silver Creek during a major storm. In response, the water district and the Natural Resources Conservation Service are partnering on a multipurpose project along the creek to protect nearly 3,800 homes and businesses from a 100-year flood event.

Three sections of the project were completed in 2006. In 2009 a portion of the Lower Silver Creek Flood Protection Project received more than $20 million in federal economic stimulus funds as part of the American Recovery and Reinvestment Act.

In addition to protecting against flooding, the completed project will also provide enhanced habitat and vegetation along the creek and pedestrian bridges for the neighborhood, as shown in the rendering at left.

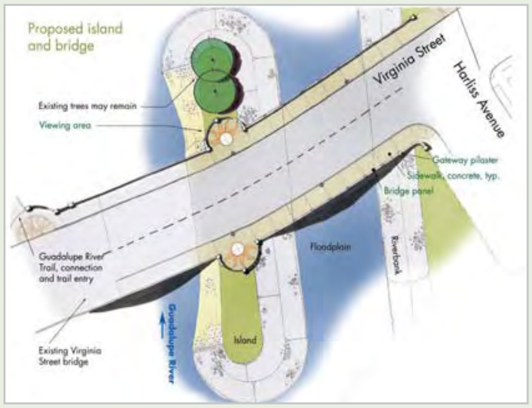
Key accomplishment | **Upper Guadalupe Flood Protection Project, Reach 6**

In April 2010, the water district and project partners celebrated the next stage of a decades-long effort to protect homes, businesses and transportation corridors from flooding on the Guadalupe River.

As part of the voter-approved Clean, Safe Creeks and Natural Flood Protection Program, the $9.7 million Upper Guadalupe River Project Reach 6 will provide increased flood protection, remove the area's need for mandatory flood insurance, improve aquatic habitat and provide recreation and trails currently lacking in the neighborhood, allowing residents to walk or bike downtown through the trail system.

Local resident involvement was key in developing certain design components. For example, the Virginia Street Bridge extension required careful coordination with neighborhood groups and city of San José staff to ensure the project blends in with the neighborhood and complements city trail elements.

The Upper Guadalupe project demonstrates that careful planning and listening to community concerns can improve projects and enhance a community's quality of life.



Key accomplishment | **Stream Maintenance Program**

Thompson Creek erosion

The water district's approach to working in and around creeks continued to reap benefits for the community and the natural environment in FY 2009-10. The Stream Maintenance Program (SMP) wrapped up the June - October season with impressive numbers: more than 31,000 cubic yards of sediment removed; 6,000 linear feet of creek bank repaired and stabilized; and 54 projects completed throughout the county.

Why do we focus on maintaining streams? Securing stream banks protects homes and properties while maintaining stable creek ecosystems. When water flows over or against creek banks, its energy and movement can dislodge and carry away soil, rocks, trees or vegetation, causing erosion. And because erosion can also strip away natural elements like trees and vegetation, there can be a negative impact to fish and other species that use these natural elements for shelter and food.

Water can also carry and drop sediment into stream beds, reducing the amount of water that can freely flow. Sediment can fill underwater spaces around rocks, fallen tree trunks and branches, eliminating places where fish seek shelter and spawning grounds.

Enhanced and protected watersheds

Pajaro Basin freshwater wetland

The Vegetation Management Program continues to outpace goals set in the Clean, Safe Creeks and Natural Flood Protection Plan, approved by voters in 2000. The plan calls for the removal or management of 55,000 acres of vegetation over the 15-year life of the plan.

More on stream stewardship

Read more on FY 2009-10 stewardship activities in the district's new Stream Stewardship Report, which you can download at www.valleywater.org.

Highlights and performance

More than 800 miles of creeks flow through Santa Clara County. The county includes five watersheds, areas of land that drain a common waterway. Creeks in the watersheds catch rain and storm drain runoff, carrying the water to the San Francisco and Monterey bays.

As part of our watershed stewardship function, the water district works to protect the natural attributes of these waterways, including water quality and ecosystem health. In 2010, our stewardship efforts included environmental enhancement projects such creating a freshwater wetland in the Pajaro Basin and removing 3,600 cubic yards of trash from local streams. Our crews improved local fish habitat, removed acres of invasive plants, replanted sensitive areas with native vegetation, restored a former mercury-laden streambed, and continued successful efforts to keep invasive Quagga and Zebra mussels from infesting local reservoirs.

Recognizing that active partnership with the community strengthens our mission, the district also provided teacher training, outdoor classroom presentations and classroom programs to more than 11,000 students through our award-winning education program. In addition, the district's Adopt-A-Creek program, coordination of local river cleanups and outreach at local events helped spread the message that taking care of our streams and creeks benefits us all.

Key accomplishment | **Vegetation Management Program**

Tick Creek

Invasive plant growth can crowd native plants, impede water flow and reduce the flood protection capacity of creeks and rivers. That's why the water district's Vegetation Management Program works to keep waterways clear of potentially damaging invasive species or unwanted vegetation—in environmentally responsible ways.

In FY 2009-10, district crews managed more than 3,500 acres of vegetation along more than 400 miles of streams. This work included:

- 600 acres of in-stream work to improve the flow of floodwaters;
- More than 2,600 acres of maintenance on right-of-way for fire protection and access; and
- 328 acres of revegetation projects, areas replanted with appropriate vegetation after removal of invasive or stream-clogging plants.

Crews also managed vegetation at water utility facilities such as dams, pipelines, groundwater recharge ponds and at the district's three water treatment plants.

Key accomplishment | **Removing mercury to improve surface water quality**

Jacques Gulch

Over time, mercury leaching from soils removed by historic mercury mining activities in the New Almaden Mining District has negatively affected the water quality of the streams in the Guadalupe Watershed.

Last year the water district completed restoration work on one such location, Jacques Gulch near Almaden Reservoir. By excavating the mercury-laden deposits, or calcines, and restoring and replanting the streambed, district crews have returned the stream to a natural riparian corridor conducive to native plant growth and a thriving wildlife population.

Approximately 12,000 cubic yards of sediment were removed, transported away from waterways and securely contained, capped with mercury-free soil. Once the contaminated soil was removed from the gulch, about 12,000 feet of stream bank was restored, and more than 300 plants and trees planted to improve habitat. Over the last 10 years, the district has removed 3,766 pounds of mercury from the Guadalupe Watershed.

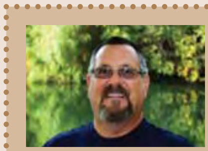
Key accomplishment | **Building trails and access to open space**

Los Gatos Creek Trail

When the Clean, Safe Creeks Program was approved by voters in 2000, one message came across loud and clear: people wanted more recreational opportunities along creeks and streams. Nowhere is the result of that effort more visible than in the district's Trails and Open Space Program.

In FY 2009-10 the water district opened up an additional 11.3 miles of trails along waterways. That brought the total mileage of trails completed by the program to more than 65.

Critical to the success of the program is the district's collaboration with local agencies and community organizations, which is necessary to provide public access. In addition, the district manages a competitive community grant program that provides resources to plan and develop new trails and open space recreational opportunities.



Danny Karnes,
Senior Maintenance Worker
West and Guadalupe Watersheds
Field Operations

"When we started this work, it seemed impossible. But the Clean, Safe Creeks program helped us dedicate crews specifically to removing trash and graffiti. Many neighbors are helping us, and together we are making a difference."

Key accomplishment | **Being a "Good Neighbor"**

Site before cleanup

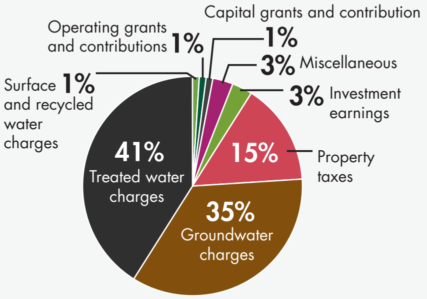
More than beautification, removing trash and litter from creeks is critical to keeping local stream water clean and flowing without obstruction. Additionally, keeping graffiti off water district fences and facilities promotes community awareness and public safety.

In FY 2009-10, crews with the district's Good Neighbor Program removed more than 3,600 cubic yards of trash from county streams and riparian areas, and partnered with regional agencies and neighborhood community groups in cleaning trash and graffiti from 352 identified "hot spots" and more than 100 Adopt-A-Creek locations.

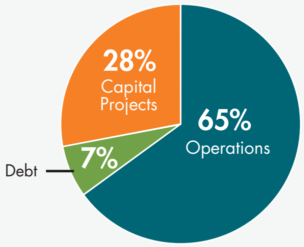
The program operates county-wide, year-round with small crews in each watershed performing quarterly cleanups at the hot spots and responding to trash and graffiti complaints.

Financial Summary: FY 2009-10

Water Utility Enterprise Fund



Total Revenues: $157,311,924



Total Expenses: $195,595,285

Highlights

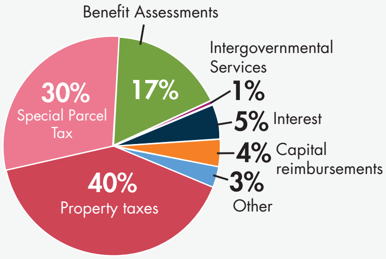
Total revenues from water charges of $120 million decreased by $16 million from fiscal year 2008-09, primarily due to reduced water usage. Property taxes of $24 million increased by $3 million from prior fiscal year receipts of $21 million.

Total expenses of $196 million were $14 million lower than prior fiscal year expenses. Capital improvement project spending increased by $3 million versus prior year to $54 million.

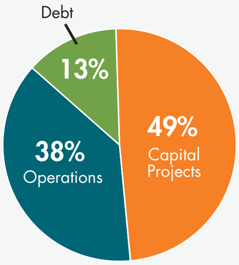
Water Utility Enterprise Fund Revenue bonds are rated Aa2 by Moody's and AA by Standard & Poor's.

Watershed Funds

(includes Watersheds and Clean, Safe Creeks)



Total Revenues: $111,545,150



Total Expenditures: $118,015,391

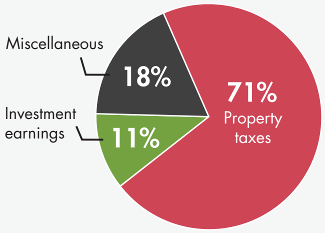
Highlights

Total revenues of $112 million decreased from the prior fiscal year by $1.6 million. Capital grants and contributions increased by $3.2 million and miscellaneous revenues by $1.6 million. These increases were offset by a decline in investment earnings of $2.0 million and a decline in property taxes of $5.7 million. Property taxes decline driven by $4 million borrowed by the state of California under Proposition 1A, which requires the state to repay this amount plus interest by June 30, 2013.

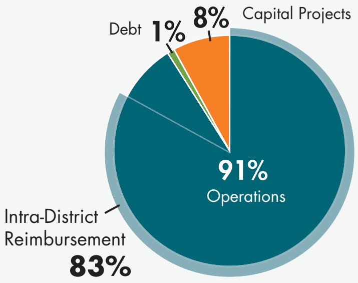
Total expenditures were $118 million. Capital improvement project spending increased by $21 million versus prior year to $58 million.

The Watershed Certificates of Participation series is rated Aa2 by Moody's and AA by Standard & Poor's.

General and Internal Service Funds



Total Revenues: $6,213,609



Total Expenditures: $56,761,555

Highlights

Total revenues of $6 million were lower by $1.6 million from prior fiscal year revenues. Property taxes of $4.4 million decreased slightly by $0.6 million from fiscal year 2008-09. Property taxes include $0.4 million borrowed by the state of California pursuant to Proposition 1A.

Investment earnings of $0.7 million declined by $0.9 million compared to previous fiscal year earnings of $1.6 million, primarily due to lower interest yield.

Total expenditures of $56.8 million is the gross amount, including capital improvement project costs of $4.4 million. Reimbursement of overhead allocations from the water utility and watersheds funds totals $46.9 million resulting in a net expenditure of $9.9 million for the General and Internal Service funds.

Two-Year Comparative Changes in Net Assets
Fiscal Year Ending June 30, 2010

(Accrual Basis)

	Governmental Activities[1]		Water Utility Enterprise Fund		Total	
	2010	**2009**	**2010**	**2009**	**2010**	**2009**
Revenues						
Program revenues:						
Charges for services	$ -	$ -	$ 120,264,000	$ 136,356,000	120,264,000	136,356,000
Operating grants and contributions			1,696,000	3,923,000	1,696,000	3,923,000
Capital grants and contributions	23,690,000	20,072,000	1,602,000	-	25,292,000	20,072,000
General revenues						
Property taxes	86,852,000	87,425,000	24,241,000	21,372,000	111,093,000	108,797,000
Investment earnings	7,098,000	12,897,000	3,787,000	8,245,000	10,885,000	21,142,000
Miscellaneous	5,161,000	3,457,000	5,447,000	4,602,000	10,608,000	8,059,000
Total revenues	122,801,000	123,851,000	157,037,000	174,498,000	279,838,000	298,349,000
Expenses						
General Fund	9,317,000	12,602,000	-	-	9,317,000	12,602,000
Watersheds	51,841,000	45,440,000	-	-	51,841,000	45,440,000
Interest on long-term debt	7,841,000	8,269,000	-	-	7,841,000	8,269,000
Water enterprise	-	-	155,145,000	168,753,000	155,145,000	168,753,000
Total expenses	68,999,000	66,311,000	155,145,000	168,753,000	224,144,000	235,064,000
Increase in net assets						
before transfers of funds	53,802,000	57,540,000	1,892,000	5,745,000	55,694,000	63,285,000
Transfers of funds	269,000	(6,539,000)	(269,000)	6,539,000	-	-
Increase in net assets	54,071,000	51,001,000	1,623,000	12,284,000	55,694,000	63,285,000
Net assets, beginning	1,104,390,000	1,069,942,000	635,214,000	622,930,000	1,739,604,000	1,692,872,000
Prior period adjustment	-	(16,553,000)	-	-	-	(16,553,000)
Net assets, as restated	1,104,390,000	1,053,389,000	635,214,000	622,930,000	1,739,604,000	1,676,319,000
Net assets, ending	$ 1,158,461,000	$ 1,104,390,000	$ 636,837,000	$ 635,214,000	$ 1,795,298,000	$ 1,739,604,000

Notes:

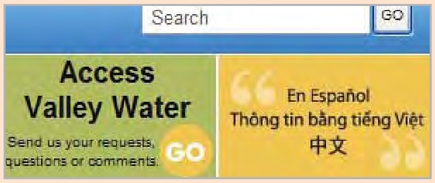
[1] *Governmental includes General Fund, Watershed, Clean Safe Creek, Debt Service, and Internal Service Funds*

Moving ahead in FY 2010-11

The district has continued work on key projects into fiscal year 2010-11, as highlighted below:

Advanced Treated Recycled Water Facility

In October 2010 the district and partners, the cities of San Jose and Santa Clara, broke ground on a new facility that will produce 10 million gallons per day of near-distilled-quality recycled water for expanded use in irrigation and industry.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中文

Multilingual web page

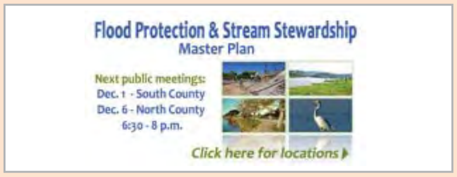
In October 2010 the district added a website feature that invites Spanish, Vietnamese and Chinese-speaking customers to contact a district staff person who speaks the same language; translated documents will follow.

Water Supply Master Plan

The district is currently identifying future water supply needs and will then identify projects and programs to meet those needs. Goal: Recommend a preferred portfolio of projects to the board in fiscal year 2011-12.

Asset Management

The water district builds, maintains and refurbishes many types of infrastructure, equipment and other assets. Our Asset Management Framework, under development in FY 2010-11, aims to lower costs for operations, maintenance and capital work during all life-cycle phases of our assets. Shown above, district staff rebuild a pump at the Rinconada Treatment Plant.



Flood Protection & Stream Stewardship
Master Plan

Next public meetings:
Dec. 1 - South County
Dec. 6 - North County
6:30 - 8 p.m.

Click here for locations ▸

Flood Protection and Stream Stewardship Master Plan

This plan, which prioritizes future projects, was last updated in 2000. In 2010 and 2011 the district is seeking public input to help evaluate program effectiveness and assess community needs. Visit www.valleywater.org for more information.

Calabazas Creek Flood Protection Project

In August 2010 the water district launched this important project, which will provide flood protection and enhance creekside habitat in Saratoga and San Jose. Planned work includes enlarging an underground culvert beneath Saratoga-Sunnyvale Road, widening the Union Pacific railroad bridge, and constructing a detention area adjacent to Calabazas Creek to handle overflow during heavy rains.

Lower Silver Creek Flood Protection project

In September 2010 this project was highlighted as one of Vice President Biden's 100 top significant stimulus projects.

Board Governance

Directors 2010

Richard Santos
Chair
District 3

Larry Wilson
Vice Chair
District 4

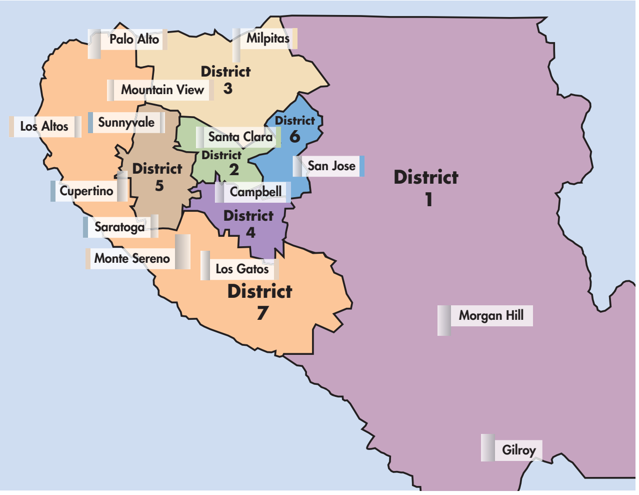
Rosemary Kamei
District 1

Joe Judge
District 2

Patrick Kwok
District 5

Tony Estremera
At large

Cy Mann
At large



Board districts

Pursuant to the District Act, the water district's Board of Directors governs the district and directs the Chief Executive Officer. Legislation in 2009 replaced the former board structure of five elected members and two at-large appointed members with a new structure in which all seven board members are elected from new districts shown in the map above. Board members serve overlapping four-year terms and elect a new chair and vice chair each January.

Directors 2011

Don Gage
Chair
District 1

Linda LeZotte
Vice Chair
District 4

Joe Judge
District 2

Richard Santos
District 3

Patrick Kwok
District 5

Tony Estremera
District 6

Brian Schmidt
District 7

Board Advisory Committees

Santa Clara Valley Water Commission
Curtis Wright, Chair
Steve Rice, Vice Chair
Jason Baker
Lou Becker
Barry Chang
Kansen Chu
Donald F. Gage
Craig Gartman
Karen Holman
John Inks
Will Kennedy
Marilyn Librers
Robert Livengood
Jean Mordo
Chuck Page
Ron Swegles

Environmental Advisory Committee
Rita Norton, Chair
Bob Power, Vice Chair
Clinton W. Brownley
Dean Judson Chu
Patricia Colombe
Christopher Coté
Scott Green
Shahram Javey
Bob Levy
Loren Lewis
Richard McMurtry
Jethroe Moore, III
Brian Schmidt
Pamela Sturner

Agricultural Water Advisory Committee
Vincent Cortese, Jr., Chair
Michael Miller, Vice Chair
Johne Baird
David Boll
William Cilker, Jr.
Jan F. Garrod
Vince Garrod
Joe Gonzales
Robert Long
Mitchell L. Mariani
Peter Mirassou
James M. Provenzano
Sig Sanchez
Ralph M. Santos
David Vanni

Landscape Advisory Committee
Erin Gil, Chair
Miguel Aspeitia, Vice Chair
Chelan Addleman
Barry Cohen
Donald De Fever
Anthony Eulo
Astrid Gaiser
Pete Howes
Ron Kanemoto
Ryan Marlinghaus
Jeffrey Sheehan
Craig Stafford
Michael Vivo

continued on back...

Board Advisory Committees *continued*

Coyote Flood Control and Watershed Advisory Committee
Bud LoMonaco, Chair
Fernando Bravo, Vice Chair
Marilyn Librers
Ray Maglalang
Jagjit S. Mazloom
Carmen Montano
Madison Nguyen

Guadalupe Flood Control and Watershed Advisory Committee
Ed Rast, Chair
John Salah, Vice Chair
Bonnie Bamburg
Javier Gonzalez
Nancy Hobbs
Jane Kennedy
Will Kennedy
Sam Liccardo
Theodora "Teddy" Morse
Mike Wasserman

Lower Peninsula Flood Control and Watershed Advisory Committee
Jac Siegel, Chair
Greg Schmid, Vice Chair
Lou Becker
Barry Chang
Susan Mandle
Christopher Moylan
Jeffrey Shore
Ginger Summit

Uvas/Llagas Flood Control and Watershed Advisory Committee
Steven B. Malech, Chair
Marc Rauser, Vice Chair
Johne Baird
Bob Dillon
Marilyn Librers

West Valley Flood Control and Watershed Advisory Committee
Henderson Ford
Nancy Hobbs
Jane Kennedy
Will Kennedy
Kathleen King
Sam Liccardo
Orrin Mahoney
Russ Robinson
Ann Waltonsmith
Mike Wasserman
David Whittum

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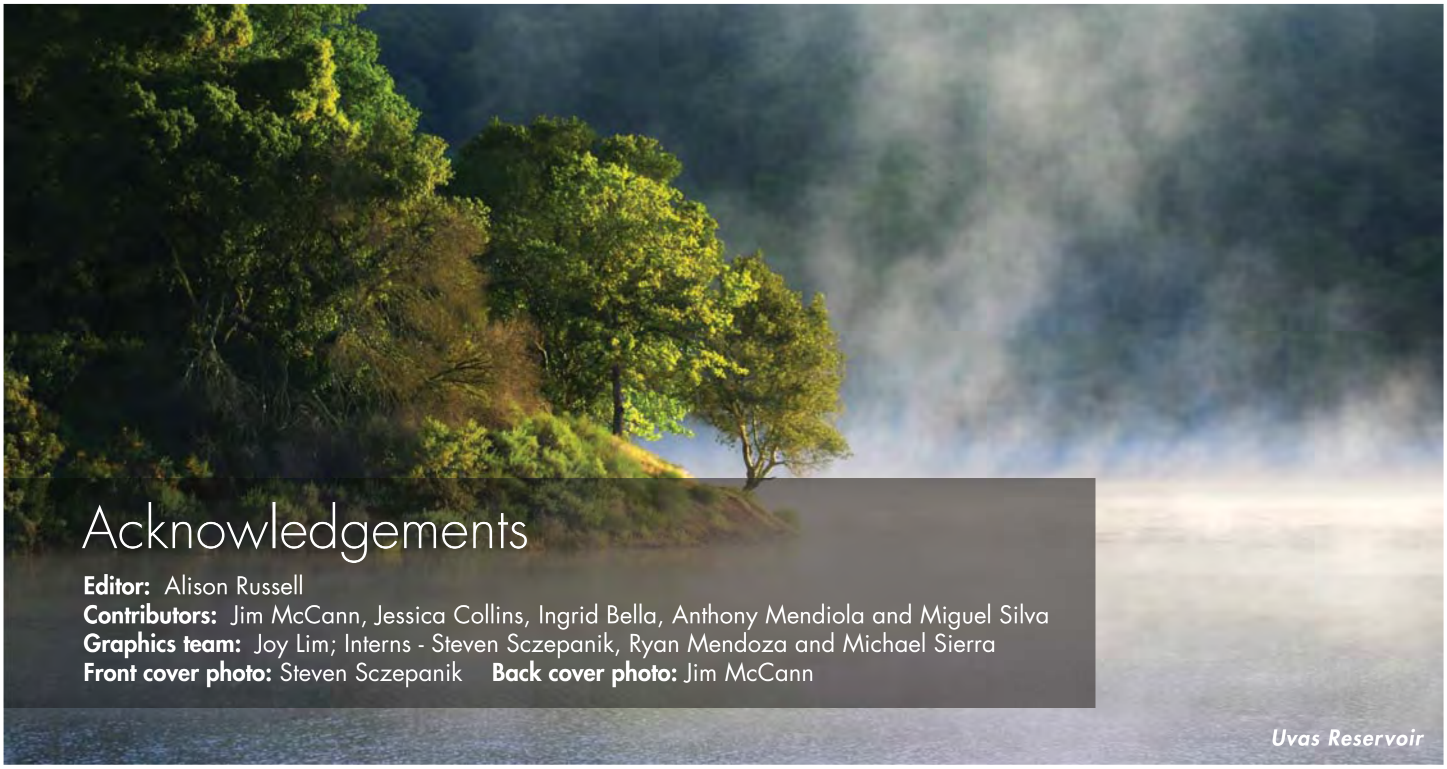
San Jose, California 95118
(408) 265-2600
www.valleywater.org

We speak your language.

Esta publicación contiene información sobre los recursos de agua, la administración del medio ambiente y protección contra inundaciones en el Condado de Santa Clara. Si desea recibir un ejemplar en español, por favor comuníquese con el Distrito de Aguas del Valle de Santa Clara (Santa Clara Valley Water District) al (408) 265-2607, ext. 2881.

Tập tài liệu này gồm có các tin tức về những nguồn cung cấp nước, sự quản lý môi trường và phòng ngừa lũ lụt trong Quận Santa Clara. Để nhận được bản sao của tập tài liệu này bằng tiếng Việt, xin liên lạc Ty Thủy Cục Thung Lũng Santa Clara (Santa Clara Valley Water District) ở số (408) 265-2607, số chuyển tiếp ext. 2041.

此份刊物包含關於聖他克拉拉縣境內的水源、環境管理及防洪資訊。若要取得此份刊物的中文版，請與聖他克拉拉谷水利局聯絡，電話為 (408) 265-2607 轉分機 2288。



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Uvas Reservoir

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